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### **ABSTRACT OF THE INVENTION**

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3 [0067] An electrostatic actuator with inter-digital rotor and stator fingers formed in a  
4 the insulating and conductive layers of a wafer. The actuator is used to drive  
5 MicroElectroMechanical (MEMS) components, specifically micro-optical components  
6 such as mirrors, attenuators, switches, and tunable filters.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100